About this manual

A	Configuration Sheets of Hardware	Use this form to record the hardware configuration and various settings of your server.
B	Configuration Sheets of BIOS Setup Utility Parameters	Use this form to record the settings of the BIOS Setup Utility.
C	Configuration Sheets of Remote Management Controller's Web Interface	Use this form to record the settings of the Remote Management Controller Web interface.
D	Table of System Resource Management	The I/O port address that can be selected with various expansion cards is the following tables.
E	Design Sheet of the RAID Configuration	Use this form to record the definitions of the disk groups (or the physical packs) and the logical drives in the RAID configuration (array configuration).
F	Design Sheet	Use this form to record the software settings.
G	Accident Sheet	Use this form to record any failures that occur in your server.

Product Names

The following expressions and abbreviations are used to describe the product names used in this manual.

Product names	Expressions and abbreviations	
PRIMERGY TX200 S3	This server or the server	
Microsoft® Windows Server™ 2003 R2, Standard Edition	Windows Server 2003 R2, Standard Edition	Windows 2003
Microsoft® Windows Server™ 2003 R2, Enterprise Edition	Windows Server 2003 R2, Enterprise Edition	
Microsoft® Windows Server™ 2003, Enterprise Edition	Windows Server 2003, Enterprise Edition	
Microsoft® Windows Server™ 2003, Standard Edition	Windows Server 2003, Standard Edition	
Microsoft® Windows Server™ 2003 R2, Standard x64 Edition	Windows Server 2003 R2, Standard x64 Edition	
Microsoft® Windows Server™ 2003 R2, Enterprise x64 Edition	Windows Server 2003 R2, Enterprise x64 Edition	
Microsoft® Windows Server™ 2003, Standard x64 Edition	Windows Server 2003, Standard x64 Edition	
Microsoft® Windows Server™ 2003, Enterprise x64 Edition	Windows Server 2003 R2, Enterprise x64 Edition	
Microsoft® Windows® 2000 Server	Windows 2000 Server	Windows 2000
Microsoft® Windows® 2000 Advanced Server	Windows 2000 Advanced Server	
Microsoft® Windows Server™ 2003 Service Pack	SP	
Microsoft® Windows® 2000 Service Pack		

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A Configuration Sheets of Hardware

Use this form to record the hardware configuration and various settings of your server. Put a check mark in parentheses of your server settings.

■ 3.5-inch Internal Options

Installed position	Installation 3.5 inch internal option
Bay 1	( ) 73.4 GB ( ) 146.8 GB
Bay 2	( ) 73.4 GB ( ) 146.8 GB
Bay 3	( ) 73.4 GB ( ) 146.8 GB
Bay 4	( ) 73.4 GB ( ) 146.8 GB
Bay 5	( ) 73.4 GB ( ) 146.8 GB
Bay 6	( ) 73.4 GB ( ) 146.8 GB

■ 5-inch Internal Options

Installed position	Installation 5 inch internal option (Product ID)	SCSI ID
Bay 1*	( ) Internal DVD-RAM unit (PG-DVA102D)	-
Bay 2 or Bay 3	( ) Internal DAT72 unit (PG-DT504)	–
	( ) Internal VXA2 unit (PG-VX201)	5 or 6
	( ) Internal LTO2 unit (PG-LT201)	5 or 6
Both bay 2 and bay 3	( ) Internal LTO3 unit (PG-LT301)	5
	( ) Internal hard disk unit bay conversion kit (PG-BC103)	–

*) CD-ROM drive / floppy disk drive is standard installed in bay 1.

■ RAM Modules

Installation slot		Installation RAM module
Memory Bank 1	Slot 1A	( ) 512 MB ( ) 1 GB ( ) 2 GB
	Slot 1B	
Memory Bank 2	Slot 2A	( ) 512 MB ( ) 1 GB ( ) 2 GB
	Slot 2B	
Memory Bank 3	Slot 3A	( ) 512 MB ( ) 1 GB ( ) 2 GB
	Slot 3B	

■ CPU

Installation CPU	Installed position	
( ) Xeon Processor 5050/2x2MB(FSB667MHz)	( ) Slot 1	( ) Slot 2
( ) Xeon Processor 5060/2x2MB(FSB1066MHz)	( ) Slot 1	( ) Slot 2
( ) Xeon Processor 5080/2x2MB(FSB1066MHz)	( ) Slot 1	( ) Slot 2
( ) Xeon Processor 5130/4MB(FSB1333MHz)	( ) Slot 1	( ) Slot 2
( ) Xeon Processor 5160/4MB(FSB1333MHz)	( ) Slot 1	( ) Slot 2

Same CPU must be installed in Slot 1 and Slot 2.

■ Option Cards

Expansion card (Product ID)	PCI slot location				
	1	2	3	4	5
SAS array controller card (PG-140FL)	( )	-	-	-	-
Fibre Channel Controller (PG-FC202)	-	-	( )	( )	-
LAN card (PG-2861)	-	-	( )	( )	-
LAN card (PG-1892)	( )	-	-	-	( )
LAN card (PG-1882)	( )	-	-	-	( )
LAN card (PG-1862)	( )	-	-	-	( )
SCSI array controller card (PG-142E3)	( )	( )	-	-	( )
SCSI card (PG-1281)	( )	( )	-	-	( )

-: Indicates that this item cannot be installed.

B Configuration Sheets of BIOS Setup Utility Parameters

Use this form to record the settings of the BIOS Setup Utility. If you have not changed the initial value, put a check mark in parentheses of "The initial values have been unchanged".
The initial values in the frame can be changed. If you change any setting, put a check mark in parentheses of the "Setting" column.
Keep the values on the gray zones unchanged.

POINT

- Follow the procedure below to start the BIOS Setup Utility.
  When the following message appears on the screen during POST, press the [F2] key while the message is displayed. When POST is completed, the Main menu screen appears.

  <F2> BIOS Setup/ <F12> Boot Menu

  If the system starts before starting the BIOS Setup Utility, press the [Ctrl] + [Alt] + [Delete] keys simultaneously and restart the system.

B.1 Parameters in the Main Menu

( ) The initial values have been unchanged.

Item	Initial value	Setting
System Time:	HH:MM:SS	Displays/Sets present time.
System Date:	MM/DD/YYYY	Displays/Sets present date.
Diskette A:	1.4M	( )None ( )360K ( )1.2M ( )720K
> Standard IDE	CD-ROM	Links to the Standard IDE submenu
> Boot Option		Links to the Boot Option submenu
Base Memory:	640KB	Displays the available base memory size below 1MB.
Extended Memory:	xxxM	Displays the memory size.

■ Standard IDE Submenu

( ) The initial values have been unchanged.

Item	Initial value	Setting
Standard IDE: [CD-ROM]		
PIO Mode:	PIO 4	Displays the PIO mode supported by devices.
DMA Mode:	UDMA 2	Displays the DMA mode supported by devices.
Firmware:	x.xx	Displays the firmware version.

■ Boot Options Submenu

( ) The initial values have been unchanged.

Item	Initial value	Setting
Boot Options		
POST Errors	Halt On All Errors	( )No Halt On Any Errors
Keyboard Check	Enabled	( )Disabled
SM Error Halt	Disabled	( )Enabled
Fast Boot:	Disabled	( )Enabled
Quiet Boot:	Disabled	( )Enabled
Num Lock:	Auto	( )On ( )Off
Boot Menu:	Enabled	( )Disabled
MultiBoot for HDs:	Enabled	( )Disabled
> Boot Sequence		Links to the Boot Sequence submenu.

■ Boot Sequence Submenu

( ) The initial values have been unchanged.

Item	Initial value	Setting
Boot Options		
> Boot Sequence		
CD-ROM Drive		(Write down the boot sequence)
- Diskette		( )CD-ROM Drive
Standard		( )Diskette
- Hard Drive		( )Hard Drive
Bus 02 Dev 0E)PCI RAID Adapter		( )Legacy LAN Card
Alternate Device		
Legacy LAN Card		

B.2 Parameters in the Advanced Menu

( ) The initial values have been unchanged.

Item	Initial value	Setting
Setup Warning Setting items on this menu to incorrect values may cause your system to malfunction		
> Peripheral Configuration		Links to Peripheral Configuration submenu
> PCI Configuration		Links to PCI Configuration submenu
> Advanced System Configuration		Links to Advanced System Configuration submenu
> Power On/Off		Links to Power On/Off submenu
> IPMI		Links to IPMI submenu
Reset configuration Data:	No	( )Yes
Multiprocessor Specification:	1.4	( )1.1

■ Peripheral Configuration Submenu

( ) The initial values have been unchanged.

Item	Initial value	Setting
Peripheral Configuration		
Serial 1:	Auto	( )Disabled ( )Enabled ( )OS Controlled
Serial Port1 Address: *1	3F8h,IRQ 4	( )2F8h,IRQ 3 ( )3E8h,IRQ 4 ( )2E8h,IRQ 3
Serial Multiplexer:	System	( )iRMC
Serial 2:	Auto	( )Disabled ( )Enabled ( )OS Controlled
Serial 2 Address: *2	2F8h,IRQ 3	( )3F8h,IRQ 4 ( )3E8h,IRQ 4 ( )2E8h,IRQ 3
Parallel:	Auto	( )Disabled ( )Enabled
Parallel Mode:	Bidirection	( )Printer ( )EPP ( )ECP
Parallel Address: *3	378h,IRQ 7	( )278h,IRQ 5 ( )3BCh,IRQ 7
USB Host Controller:	Enabled	( )Disabled
USB 2.0 Host Controller:	Enabled	( )Disabled
USB BIOS Supported Devices:	Auto	( )None ( )Keyboard/Mouse ( )All
USB Boot Delay:	0s	( )3s ( )6s ( )9s
USB BIOS Hot-Plug:	Enabled	( )Disabled
> ATA Controller Config		Links to ATA Controller Config submenu
Diskette Controller:	Enabled	( )Disabled
Mouse Controller:	Auto Detect	( )Disabled ( )Enabled
Onboard Video:	Enabled	( )Disabled
LAN Controller:	Enabled	( )Disabled
LAN Remote Boot:	Disabled	( )PXE
Management LAN:	Enabled	( )Disabled

*1: Appears when "Enabled" is selected for [Serial 1].
*2: Appears when "Enabled" is selected for [Serial 2].
*3: Appears when "Enabled" is selected for [Parallel].

■ ATA Controller Config Submenu

( ) The initial values have been unchanged.

Item	Initial value	Setting
ATA Controller Config		
S-ATA Mode:	Native	( )Compatible ( )AHCI
P-ATA Map to: *1	Secondary	( )Disabled ( )Primary
Primary IDE Channel:	Enabled	( )Disabled
Secondary IDE Channel: *1	Enabled	( )Disabled
Tertiary IDE Channel: *2	Enabled	( )Disabled
Quaternary IDE Channel: *2	Enabled	( )Disabled

*1: Appears when "Compatible" is selected for [S-ATA Mode].
*2: Appears when other than "Compatible" is selected for [S-ATA Mode].

■ PCI Configuration Submenu

( ) The initial values have been unchanged.

Item	Initial value	Setting
PCI Configuration		
> PCI SLOTS Configuration		Links to PCI SLOTS Configuration
> PCI IRQ Configuration		Links to PCI IRQ Configuration submenu

■ PCI SLOTS Configuration Submenu

( ) The initial values have been unchanged.

Item	Initial value	Setting
PCI SLOTS Configuration		
PCI Slot 1 Configuration		
Option ROM SCAN:	Enabled	( )Disabled
PCI Slot 2 Configuration		
Option ROM SCAN:	Enabled	( )Disabled
PCI Slot 3 Configuration		
Option ROM SCAN:	Disabled	( )Enabled
PCI Slot 4 Configuration		
Option ROM SCAN:	Disabled	( )Enabled
PCI Slot 5 Configuration		
Option ROM SCAN:	Disabled	( )Enabled
PCI Slot 10 Configuration		
Option ROM SCAN:	Enabled	( )Disabled

■ PCI IRQ Configuration Submenu

（ ）The initial values have been unchanged.

Item	Initial value	Setting
PCI IRQ Configuration		
PCI IRQ Line 1 :	Auto	( )Disabled ( )IRQ3 ( )IRQ4 ( )IRQ5 ( )IRQ6 ( )IRQ7 ( )IRQ9 ( )IRQ10 ( )IRQ11 ( )IRQ12 ( )IRQ14 ( )IRQ15
PCI IRQ Line 2 :	Auto	( )Disabled ( )IRQ3 ( )IRQ4 ( )IRQ5 ( )IRQ6 ( )IRQ7 ( )IRQ9 ( )IRQ10 ( )IRQ11 ( )IRQ12 ( )IRQ14 ( )IRQ15
PCI IRQ Line 3 :	Auto	( )Disabled ( )IRQ3 ( )IRQ4 ( )IRQ5 ( )IRQ6 ( )IRQ7 ( )IRQ9 ( )IRQ10 ( )IRQ11 ( )IRQ12 ( )IRQ14 ( )IRQ15
PCI IRQ Line 4 :	Auto	( )Disabled ( )IRQ3 ( )IRQ4 ( )IRQ5 ( )IRQ6 ( )IRQ7 ( )IRQ9 ( )IRQ10 ( )IRQ11 ( )IRQ12 ( )IRQ14 ( )IRQ15
PCI IRQ Line 5 :	Auto	( )Disabled ( )IRQ3 ( )IRQ4 ( )IRQ5 ( )IRQ6 ( )IRQ7 ( )IRQ9 ( )IRQ10 ( )IRQ11 ( )IRQ12 ( )IRQ14 ( )IRQ15
PCI IRQ Line 6 :	Auto	( )Disabled ( )IRQ3 ( )IRQ4 ( )IRQ5 ( )IRQ6 ( )IRQ7 ( )IRQ9 ( )IRQ10 ( )IRQ11 ( )IRQ12 ( )IRQ14 ( )IRQ15
PCI IRQ Line 7 :	Auto	( )Disabled ( )IRQ3 ( )IRQ4 ( )IRQ5 ( )IRQ6 ( )IRQ7 ( )IRQ9 ( )IRQ10 ( )IRQ11 ( )IRQ12 ( )IRQ14 ( )IRQ15
PCI IRQ Line 8 :	Auto	( )Disabled ( )IRQ3 ( )IRQ4 ( )IRQ5 ( )IRQ6 ( )IRQ7 ( )IRQ9 ( )IRQ10 ( )IRQ11 ( )IRQ12 ( )IRQ14 ( )IRQ15

■ Advanced System Configuration Submenu

( ) The initial values have been unchanged.

Item	Initial value	Setting
Advanced System Configuration		
BIOS Work Space Location:	Expansion ROM Area	( )Top of Base Memory
Memory Redundancy:	Disabled	( )Mirroring
CPU Mismatch Detection:	Enabled	( )Disabled
CPU Timeout Counter:	Disabled	( )Enabled
CPU Frequency (GHz):	Automatic	· For Xeon® Processor 5160 ( )2.00 ( )2.33 ( )2.66 ( )3.00 · For Xeon® Processor 5130 unavailable · For Xeon® Processor 5080 ( )3.19 ( )3.46 ( )3.72 · For Xeon® Processor 5060 unavailable · For Xeon® Processor 5050 ( )1.99 ( )2.16 ( )2.32 ( )2.49 ( )2.66 ( )2.82 ( )2.99
Hyper-Threading:*1	Disabled	( )Enabled
Limit CPUID functions:	Disabled	( )Enabled
CPU Thermal Management:*2	Enhanced	( )Standard
CPU Halt Mode:	Enhanced	( )Standard
NX Memory Protection:	Disabled	( )Enabled
CPU MC Status Clear:	Next Boot	( )Enabled ( )Disabled
Enhanced SpeedStep: *3	Disabled	( )Enabled
Virtualization Technology:	Disabled	( )Enabled
Hardware Prefetch:	Enabled	( )Disabled
Adjacent Sector Prefetch:	Enabled	( )Disabled
High Precision Event Timer:	Disabled	( )Enabled
I/OAT:	Disabled	( )Enabled

*1: Not appears when Xeon® Processor 5130/5160 is installed.
*2: Appears when Xeon® Processor 5130/5160 is installed.
*3: Not appears when Xeon® Processor 5060/5130 is installed.

■ Power On/Off Submenu

( ) The initial values have been unchanged.

Item	Initial value	Setting
Power On/Off		
Power Off Source		
Software:	Enabled	( )Disabled
Power Button:	Enabled	( )Disabled
Power On Source:	BIOS Controlled	( )ACPI Controlled
Remote:	Enabled	( )Disabled
LAN:	Enabled	( )Disabled
Wake Up Timer:	Disabled	( )Enabled
Wake Up Time: *1	[00:00:00]	
Wake Up Mode: *1	Daily	( )Monthly
Wake Up Day: *2	1	( )[1～31]
Power Failure Recovery:	Previous State	( )Always Off ( )Always On

*1: Appears when "Enabled" is selected for [Wake Up Timer].
*2: Appears when "Monthly" is selected for [Wake Up Mode].

■ IPMI Submenu

( ) The initial values have been unchanged.

Item	Initial value	Setting
IPMI		
SEL Load	xx%	Displays percentage of stored SEL
Clear System Event Log:	Disabled	( )Enabled
Event Log Full Mode:	Overwrite	( )Maintain
iRMC Time Sync:	Enabled	( )Disabled
> System Event Log		Displays System Event Log
> SDRR Browser		Displays information of sensors
> LAN Settings		Links to LAN Settings submenu

■ LAN Settings Submenu

( ) The initial values have been unchanged.

Item	Initial value	Setting
LAN Settings		
DHCP:	Disabled	( )Enabled
Local IP address	[000.000.000.001]	IP address of iRMC [. . .]
Subnet mask	[000.000.000.000]	Subnet mask [. . .]
Gateway address	[000.000.000.000]	Gateway address [. . .]

B.3 Parameters in the Security Menu

( ) The initial values have been unchanged.

Item	Initial value	Setting
Setup Password	Not installed	Displays whether or not the setup password is set.
System Password	Not installed	Displays whether or not the system password is set.
Set Setup Password:	Press Enter	Enter the setup password.
Setup Password Lock:	Standard	( )Extended
Set System Password:	Press Enter	Enter the system password *1
System Password Mode:	System	( )Keyboard *2
System Load:	Standard	( )Diskette/CDROM Lock
Setup Prompt:	Enabled	( )Disabled
Virus Warning:	Disabled	( )Enabled ( )Confirm
Diskette Write:	Enabled	( )Disabled
Flash Write:	Enabled	( )Disabled

*1: Can be set when [Setup Password] is set.
*2: Can be set when [System Password] is set.

B.4 Parameters in the Server Menu

( ) The initial values have been unchanged.

Item	Initial value	Setting
O/S Boot Timeout:	Disabled	( )Enabled
Action:	Reset	( )Continue ( )Power Cycle
Timeout Value:	0	( )[0～100]
ASR&R Boot Delay:	2	( )[1～30]
Power Cycle Delay:	7	( )[0～15]
Boot Retry Counter:	3	( )[0～7]
Hide Diagnostic IDE:	Disabled	( )Enabled
Diagnostic System:	Disabled	( )IDE Drive ( )Disk Not Installed ( )Remote Image Disk ( )LAN ( )RSB USB ( )iRMC
Next Boot: *1	Boot Option	( )Diagnostics System
Device Instance: *2	0	( )[0～15]
Temperature Monitoring:	Disabled	( )Enabled
Memory Scrubbing:	Disabled	( )Enabled
> CPU Status		Links to CPU Status submenu
> Memory Status		Links to Memory Status submenu
> Console Redirection		Links to Console Redirection submenu

*1: Appears when "IDE Drive", "Remote Image Disk", "LAN", "RSB USB" or "iRMC" is selected for [Diagnostics System].

*2: Appears when "LAN" is selected for [Diagnostics System].

■ CPU Status Submenu

( ) The initial values have been unchanged.

Item	Initial value	Setting
CPU Status		
CPU 1 Status	Enabled	( )Failed *1 ( )Disabled *2
CPU 2 Status	Enabled	( )Failed *1 ( )Disabled *2

*1: Appears when CPU IERR occurs. This can be changed to "Enabled" only.

*2: Appears when CPU is removed.

■ Memory Status Submenu

( ) The initial values have been unchanged.

Item	Initial value	Setting
Memory Status		
Memory Module 1A	Enabled	( )Failed*1 ( )Disabled *2
Memory Module 2A	Enabled	( )Failed*1 ( )Disabled *2
Memory Module 3A	Enabled	( )Failed*1 ( )Disabled *2
Memory Module 1B	Enabled	( )Failed*1 ( )Disabled *2
Memory Module 2B	Enabled	( )Failed*1 ( )Disabled *2
Memory Module 3B	Enabled	( )Failed*1 ( )Disabled *2

*1: Appears when memory error occurs. This can be changed to "Enabled" only.
*2: Appears when memory module is removed.

■ Console Redirection Submenu

( ) The initial values have been unchanged.

Item	Initial value	Setting
Console Redirection		
Console Redirection	Disabled	( )Enabled
Port *1	Serial1	( )Serial2
Baud Rate *1	9600	( )1200 ( )2400 ( )4800 ( )19.2K ( )38.4K ( )57.6K ( )115.2K
Protocol *1	VT100+	( )VT100 ( )VT100,8bit ( )PC-ANSI,7bit ( )PC-ANSI
Flow Control *1	CTS/RTS	( )None ( )XON/XOFF
Mode *1	Enhanced	( )Standard

*1: Appears when "Enabled" is selected for [Console Redirection].

C Configuration Sheets of Remote Management Controller's Web Interface

Use this form to record the settings of the Remote Management Controller Web interface. If you have not change the initial value, put a check mark in parentheses of "The initial values have been unchanged".
The initial values in the frame can be changed.

C.1 Parameters in the iRMC Information

( ) The initial values have been unchanged.

Item	Initial value	Setting
iRMC Information		Displays iRMC information.
SSL and SSH Certificate		Certification for SSL&SSH
Certificate Upload	Not Upload	( )Not Upload ( )Upload
License Key		License Key (Not displayed input data.)
Upload	Not Upload	( )Not Upload ( )Upload

C.2 Parameters in the Power On/Off

( ) The initial values have been unchanged.

Item	Initial value	Setting
Restart		Gives a direct instruction on power control of the server.
Power Restore Pollicy		
	BIOS setting is reflected	( )Always Power off ( )Always Power on ( )Restore to powered state prior to power loss
Power On/Off Time		Sets schedule On/Off time.
	None	On Time[ ] Off Time[ ] Sunday
	None	On Time[ ] Off Time[ ] Monday
	None	On Time[ ] Off Time[ ] Tuesday
	None	On Time[ ] Off Time[ ] Wednesday
	None	On Time[ ] Off Time[ ] Thursday
	None	On Time[ ] Off Time[ ] Friday
	None	On Time[ ] Off Time[ ] Saturday
	None	On Time[ ] Off Time[ ] Everyday

C.3 Parameters in the Fans

( ) The initial values have been unchanged.

Item	Initial value	Setting
Fan Test		Sets Fan Test time.
Fan Check Time	23:00	[ ] HH:MM
Analog Fans		Sets the operation at the Fan malfunction.
0 FAN CPU1	continue	( )shutdown-and-power-off Delay[ ]sec
1 FAN CPU2	continue	( )shutdown-and-power-off Delay[ ]sec
2 FAN1 SYS	continue	( )shutdown-and-power-off Delay[ ]sec
3 FAN2 SYS	continue	( )shutdown-and-power-off Delay[ ]sec
4 FAN3 SYS	continue	( )shutdown-and-power-off Delay[ ]sec
5 FAN4 SYS	continue	( )shutdown-and-power-off Delay[ ]sec
6 FAN1 SYS	continue	( )shutdown-and-power-off Delay[ ]sec
7 FAN2 SYS	continue	( )shutdown-and-power-off Delay[ ]sec
8 FAN PSU1	continue	( )shutdown-and-power-off Delay[ ]sec
9 FAN PSU1	continue	( )shutdown-and-power-off Delay[ ]sec
10 FAN PSU2	continue	( )shutdown-and-power-off Delay[ ]sec

C.4 Parameters in the Temperature

( ) The initial values have been unchanged.

Item	Initial value	Setting
Temperature Sensor Information		Sets the operation at the temperature malfunction.
0 Systemboard	continue	( )shutdown-and-power-off
1 CPU 1	continue	( )shutdown-and-power-off
2 CPU 2	continue	( )shutdown-and-power-off
3 FBD-1A	continue	( )shutdown-and-power-off
4 FBD-2A	continue	( )shutdown-and-power-off
5 FBD-3A	continue	( )shutdown-and-power-off
6 FBD-1B	continue	( )shutdown-and-power-off
7 FBD-2B	continue	( )shutdown-and-power-off
8 FBD-3B	continue	( )shutdown-and-power-off
9 Ambient	continue	( )shutdown-and-power-off

C.5 Parameters in the Server Management Information

( ) The initial values have been unchanged.

Item	Initial value	Setting
Boot Options		Sets the boot options.
Error Halt Settings	BIOS setting is reflected	( )Continue ( )Halt on errors
Last Power On Reason:		Displays trigger for power-on.
Last Power Off Reason:		Displays trigger for power-off.
Power Restore Policy		Sets the operation at restoring power failure.
	BIOS setting is reflected	( )Always Power off ( )Always Power on ( )Restore to powered state prior to power loss
ASR&R Options		
ASR & R Boot Delay	BIOS setting is reflected	[ ]minutes
Action with retry counter zero	BIOS setting is reflected	( )Power Off ( )Boot Diagnostic IDE Disk ( )Boot PXE ( )Boot iRMC Remote Image
Retry counter	BIOS setting is reflected	[ ]
BIOS boot source for next boot	BIOS setting is reflected	( )Boot Option ( )Diagnostic System
BIOS recovery flash bit	Disabled	( )Disabled ( )Enabled
Power Cycle Delay	BIOS setting is reflected	[ ]seconds
Watchdog Settings	BIOS setting is reflected for Boot	Sets Watchdog
Software Watchdog:	Disabled	( )Enabled
	Continue	( )Continue ( )Reset ( )Power Cycle
		timeout delay: [ ]minutes
Boot Watchdog:	Disabled	( )Enabled
	Continue	( )Continue ( )Reset ( )Power Cycle
		timeout delay: [ ]minutes

C.6 Parameters in the Network Settings

( ) The initial values have been unchanged.

Item	Initial value	Setting
Ethernet		
MAC Address		Displays MAC address of iRMC.
IP Address	BIOS setting is reflected	[. . .]
Subnet Mask	BIOS setting is reflected	[. . .]
Gateway	BIOS setting is reflected	[. . .]
DHCP	BIOS setting is reflected	( )Enabled ( )Disabled
Ports and Network Services		
HTTP Port	80	[ ]
HTTPS Port	443	[ ]
Telnet Port	3172	[ ]
SSH Port	22	[ ]
VNC Port~Video Secure Port		For other ports, the settings are only displayed (Unchangeable).
Telnet Drop Time	600	[ ]
Force HTTPS	Disabled	( )Enabled ( )Disabled
Telnet enabled	Disabled	( )Enabled ( )Disabled
DHCP Configuration		
Register DHCP Address in DNS	Enabled	( )Enabled ( )Disabled
Use iRMC Name instead of Hostname	Enabled	( )Enabled ( )Disabled
Add Serial Number	Disabled	( )Enabled ( )Disabled
Add Extension	Disabled	( )Enabled ( )Disabled
iRMC Name	IRMC	[ ]
Extension	-iRMC	[ ]
DNS Settings		
DNS enabled	Enabled	( )Enabled ( )Disabled
Obtain DNS configuration from DHCP	Enabled	( )Enabled ( )Disabled
DNS Domain	domain.com	[ ]
DNS Server1	0.0.0.0	[. . .]
DNS Server2	0.0.0.0	[. . .]
DNS Server3	0.0.0.0	[. . .]
DNS Server4	0.0.0.0	[. . .]
DNS Server5	0.0.0.0	[. . .]

C.7 Parameters in the SNMP Trap Alerting

( ) The initial values have been unchanged.

Item	Initial value	Setting
SNMP Trap Destination		
SNMP Community	public	[ ]
SNMP Server1	0.0.0.0	[ ]
SNMP Server2	0.0.0.0	[ ]
SNMP Server3	0.0.0.0	[ ]
SNMP Server4	0.0.0.0	[ ]
SNMP Server5	0.0.0.0	[ ]
SNMP Server6	0.0.0.0	[ ]
SNMP Server7	0.0.0.0	[ ]

C.8 Parameters in the Email Alerting

( ) The initial values have been unchanged.

Item	Initial value	Setting
Global Email Paging Configuration		
Email Alerting Enable	Disabled	( )Enabled
SMTP Retries	3	[ ]
SMTP Retry Delay	30	[ ]
SMTP Response Timeout	30	[ ]
Primary SMTP Server Configuration		
SMTP Server	0.0.0.0	[ ]
SMTP Port	25	[ ]
Auth Type	None	( )None ( )SMTP AUTH(RFC2554)
Auth UserName *1		[ ]
Auth Password *1		*Displays
Confirm Password *1		*Displays
SecondarySMTPServerConfiguration		
SMTP Server	0.0.0.0	[ ]
SMTP Port	25	[ ]
Auth Type	None	( )None ( )SMTP AUTH(RFC2554)
Auth UserName *1		[ ]
Auth Password *1		*Displays
Confirm Password *1		*Displays
Mail Format dependend Configuration		
From	MailFrom@domain.com	[ ]
Subject	FixedMailSubject	[ ]
Message	FixedMailMessage	[ ]
Admin. Name	ITS_UserInfo0	[ ]
Admin. Phone	ITS_UserInfo1	[ ]
REMCS Id		Unchangeable
Server URL	http://www.server.com	[ ]

*1:Appears when "SMTP AUTH(RFC2554)" is selected for [Auth Type].

C.9 Parameters in the User Management

( ) The initial values have been unchanged.

Item	Initial value	Setting
iRMC User Information		
ID/Name	2 admin	2 [ ]

The User Name is displayed that is created by [New User]. Clicking "UserName" displays a setting window for each UserName.

The default settings or the settings that are configured when creating a new user are displayed on the setting window.

■ User "nnnnnn(2)" Configuration

( ) The initial values have been unchanged.

Item	Initial value	Setting
Access Information		
User Enabled	Enabled	( )Disabled ( )Enabled
Name	admin	[ ]
Password		*Displays
Confirm Password		*Enter the password again to confirm it.
Privilege / Shell		
LAN Privilege	OEM	( )User ( )Operator ( )Administrator ( )OEM
Serial Privilege		Unsupported
User Shell	Remote Manager	( )SMASH CLP ( )Remote Manager ( )IPMI Basic Mode ( )IPMI Terminal Mode ( )None
Email Configuration		
Email Enabled	Disabled	( )Disabled ( )Enabled
Mail Format	Standard	( )Standard ( )Fixed Subject ( )ITS Format ( )Fujitsu REMCS-Format
Prefered Mail Server	Automatic	( )Automatic ( )Primary ( )Secondary
User Description	User02 Description	{ }
Email Address	User02@domain.com	[ ]
Fan Sensors	WARNING	( )NONE ( )CRITICAL ( )WARNING ( )ALL
Temperature Sensors	WARNING	( )NONE ( )CRITICAL ( )WARNING ( )ALL
Critical Hardware Errors	ALL	( )NONE ( )CRITICAL ( )WARNING ( )ALL
System Hang	CRITICAL	( )NONE ( )CRITICAL ( )WARNING ( )ALL
POST Errors	ALL	( )NONE ( )CRITICAL ( )WARNING ( )ALL
Security	WARNING	( )NONE ( )CRITICAL ( )WARNING ( )ALL
System Status	NONE	( )NONE ( )CRITICAL ( )WARNING ( )ALL
Disk Drivers & Controllers	CRITICAL	( )NONE ( )CRITICAL ( )WARNING ( )ALL
Network Interface	WARNING	( )NONE ( )CRITICAL ( )WARNING ( )ALL
Remote Management	CRITICAL	( )NONE ( )CRITICAL ( )WARNING ( )ALL
System Power	WARNING	( )NONE ( )CRITICAL ( )WARNING ( )ALL
Memory	CRITICAL	( )NONE ( )CRITICAL ( )WARNING ( )ALL
Others	NONE	( )NONE ( )CRITICAL ( )WARNING ( )ALL

This is the UserName setting window for user ID 2.
The user ID 2 (admin) is the UserName/ID as initial value.

■ User " ( )" Configuration

( ) The user is not newly created.

Item	Initial value	Setting
Access Information		
User Enabled	Setting at creating a new user	( )Disabled ( )Enabled
Name	Setting at creating a new user	[ ]
Password	Setting at creating a new user	*Displays
Confirm Password		*Enter the password again to confirm it.
Privilege / Shell		
LAN Privilege	Setting at creating a new user	( )User ( )Operator ( )Administrator ( )OEM
Serial Privilege		Unsupported
User Shell	Setting at creating a new user	( )SMASH CLP ( )Remote Manager ( )IPMI Basic Mode ( )IPMI Terminal Mode ( )None
Email Configuration		
Email Enabled	Disabled	( )Disabled ( )Enabled
Mail Format	Standard	( )Standard ( )Fixed Subject ( )ITS Format ( )Fujitsu REMCS-Format
Prefered Mail Server	Automatic	( )Automatic ( )Primary ( )Secondary
User Description		{ }
Email Address		[ ]
Fan Sensors	WARNING	( )NONE ( )CRITICAL ( )WARNING ( )ALL
Temperature Sensors	WARNING	( )NONE ( )CRITICAL ( )WARNING ( )ALL
Critical Hardware Errors	ALL	( )NONE ( )CRITICAL ( )WARNING ( )ALL
System Hang	CRITICAL	( )NONE ( )CRITICAL ( )WARNING ( )ALL
POST Errors	ALL	( )NONE ( )CRITICAL ( )WARNING ( )ALL
Security	WARNING	( )NONE ( )CRITICAL ( )WARNING ( )ALL
System Status	NONE	( )NONE ( )CRITICAL ( )WARNING ( )ALL
Disk Drivers & Controllers	CRITICAL	( )NONE ( )CRITICAL ( )WARNING ( )ALL
Network Interface	WARNING	( )NONE ( )CRITICAL ( )WARNING ( )ALL
Remote Management	CRITICAL	( )NONE ( )CRITICAL ( )WARNING ( )ALL
System Power	WARNING	( )NONE ( )CRITICAL ( )WARNING ( )ALL
Memory	CRITICAL	( )NONE ( )CRITICAL ( )WARNING ( )ALL
Others	NONE	( )NONE ( )CRITICAL ( )WARNING ( )ALL

This is the UserName setting window for user ID 3 to 7.
The user ID 3 to 7 have same settings as initial value. Copy this sheet when two or more users are created.

C.10 Parameters in the BIOS Text Console

( ) The initial values have been unchanged.

Item	Initial value	Setting
BIOS Console Redirection Options	BIOS setting is reflected	
Console Redirection Enabled		( )Disabled ( )Enabled
Console Redirection Mode		( )Standard ( )Enhanced
Console Redirection Port		( )Serial 1 ( )Serial 2
Serial Port Baudrate		( )1200 ( )2400 ( )4800 ( )9600 ( )19200 ( )38400 ( )57600 ( )115200
Serial Port Flow Control		( )None ( )XON/XOFF ( )CTS/RTS
Terminal Emulation		( )VT100 7Bit ( )VT100 8Bit ( )PC-ANSI 7Bit ( )PC-ANSI 8Bit ( )VT100+ ( )VT-UTF8
Serial 1 Multiplexer		( )System ( )iRMC

D Table of System Resource Management

The I/O port addresses that can be selected with various expansion cards are described in the following table.

■ I/O Port Addresses

Product name	I/O port address (h) 100 140 180 1C0 200 240 280 2C0 300 340 380 3C0 400	Setup method
Serial port 1		BIOS setup
Serial port 2		BIOS setup
Parallel port 1		BIOS setup

∗ ▯▯ indicate the I/O port address space that can be selected in the expansion card.
▯ indicates that some or all of the 16 bytes that follow the marker address may be used
(▮ space selected for default)
▯ indicates that some or all of the 32 bytes that follow the marker address may be used
(▮ space selected for default)

E Design Sheet of the RAID Configuration

Use this form to record the definitions of the disk groups (or the physical packs) and the logical drives in the RAID configuration (array configuration).

E.1 For PG-140FL (MegaRAID SAS 8300XLP)

■ Content of Definition of the Disk Group

Installation HDD Slot / Bay	HDD model name	HDD capacity	Disk group / Spare disk *
(e.g.) 0	PG-HDB75A	73.4GB	(✓)Disk group [0] ( )Spare disk
(e.g.) 1	PG-HDB75A	73.4GB	(✓)Disk group [0] ( )Spare disk
0			( )Disk group [ ] ( )Spare disk
1			( )Disk group [ ] ( )Spare disk
2			( )Disk group [ ] ( )Spare disk
3			( )Disk group [ ] ( )Spare disk
4			( )Disk group [ ] ( )Spare disk
5			( )Disk group [ ] ( )Spare disk

*: When the hard disk is included in the disk group, put a checkmark to "Disk group" and fill in the disk group number in [ ]. The disk group number is allocated in order defining it like 0, 1, 2, …. When the hard disk is set as a spare disk, put a checkmark to "Spare disk".

■ Content of Definition of the Logical Drive

Logical drive number (LD No.)*1	Disk group number (DG No.)*2	RAID level	Logical drive capacity	Write policy
(e.g.) LD : 0	DG : 0	( )RAID 0 (✓)RAID 1 ( )RAID 5	34464 MB	(✓)Write Through ( )Write Back ( )Bad BBU
(e.g.) LD : 1	DG : 0	( )RAID 0 (✓)RAID 1 ( )RAID 5	34464 MB	(✓)Write Through ( )Write Back ( )Bad BBU
LD :	DG :	( )RAID 0 ( )RAID 1 ( )RAID 5		( )Write Through ( )Write Back ( )Bad BBU
LD :	DG :	( )RAID 0 ( )RAID 1 ( )RAID 5		( )Write Through ( )Write Back ( )Bad BBU
LD :	DG :	( )RAID 0 ( )RAID 1 ( )RAID 5		( )Write Through ( )Write Back ( )Bad BBU
LD :	DG :	( )RAID 0 ( )RAID 1 ( )RAID 5		( )Write Through ( )Write Back ( )Bad BBU
LD :	DG :	( )RAID 0 ( )RAID 1 ( )RAID 5		( )Write Through ( )Write Back ( )Bad BBU
LD :	DG :	( )RAID 0 ( )RAID 1 ( )RAID 5		( )Write Through ( )Write Back ( )Bad BBU
LD :	DG :	( )RAID 0 ( )RAID 1 ( )RAID 5		( )Write Through ( )Write Back ( )Bad BBU
LD :	DG :	( )RAID 0 ( )RAID 1 ( )RAID 5		( )Write Through ( )Write Back ( )Bad BBU

*1: Fill in the logical drive number. The logical drive number is allocated in order defining it like 0, 1, 2, ….
*2: Fill in the disk group number defined in "■Disk group definitions".

E.2 For PG-142E3 (MegaRAID SCSI 320-2)

■ Content of Definition of the Physical Pack

Installation HDD Slot / Bay	HDD destination SCSI channel (CH)*1	HDD destination SCSI ID*2	HDD model name	HDD capacity	Physical pack (Array) / Spare disk *3
(e.g.) 0	CH : 0	ID : 0	PG-HDB75A	73.4GB	(✓)Physical pack [0] ( )Spare disk
(e.g.) 8	CH : 0	ID : 1	PG-HDB75A	73.4GB	(✓)Physical pack [0] ( )Spare disk
0	CH :	ID :			( )Physical pack [ ] ( )Spare disk
1	CH :	ID :			( )Physical pack [ ] ( )Spare disk
2	CH :	ID :			( )Physical pack [ ] ( )Spare disk
3	CH :	ID :			( )Physical pack [ ] ( )Spare disk
4	CH :	ID :			( )Physical pack [ ] ( )Spare disk
5	CH :	ID :			( )Physical pack [ ] ( )Spare disk
6	CH :	ID :			( )Physical pack [ ] ( )Spare disk
7	CH :	ID :			( )Physical pack [ ] ( )Spare disk
8	CH :	ID :			( )Physical pack [ ] ( )Spare disk
9	CH :	ID :			( )Physical pack [ ] ( )Spare disk
10	CH :	ID :			( )Physical pack [ ] ( )Spare disk
11	CH :	ID :			( )Physical pack [ ] ( )Spare disk
12	CH :	ID :			( )Physical pack [ ] ( )Spare disk
13	CH :	ID :			( )Physical pack [ ] ( )Spare disk

When two or more array controllers are installed, copy this sheet for each array controller.

*1: Fill in the SCSI channel number of hard disk destination.
*2: Fill in the SCSI ID number of hard disk destination.
*3: When the hard disk is included in the physical pack, put a checkmark to "Physical pack" and fill in the physical pack number in [ ]. The physical pack number is allocated in order defining it like 0, 1, 2, ….

■ Content of Definition of the Logical Drive

Logical drive number (LD No.)*1	Physical pack number (DG No.)*2	RAID level	Logical drive capacity	Write policy
(e.g.) LD : 0	Array : 0	( )RAID 0 (✓)RAID 1 ( )RAID 5 ( )RAID 10	34464 MB	(✓)Write Through ( )Write Back
(e.g.) LD : 1	Array : 0	( )RAID 0 (✓)RAID 1 ( )RAID 5 ( )RAID 10	34464 MB	(✓)Write Through ( )Write Back
LD :	Array :	( )RAID 0 ( )RAID 1 ( )RAID 5 ( )RAID 10		( )Write Through ( )Write Back
LD :	Array :	( )RAID 0 ( )RAID 1 ( )RAID 5 ( )RAID 10		( )Write Through ( )Write Back
LD :	Array :	( )RAID 0 ( )RAID 1 ( )RAID 5 ( )RAID 10		( )Write Through ( )Write Back
LD :	Array :	( )RAID 0 ( )RAID 1 ( )RAID 5 ( )RAID 10		( )Write Through ( )Write Back
LD :	Array :	( )RAID 0 ( )RAID 1 ( )RAID 5 ( )RAID 10		( )Write Through ( )Write Back
LD :	Array :	( )RAID 0 ( )RAID 1 ( )RAID 5 ( )RAID 10		( )Write Through ( )Write Back
LD :	Array :	( )RAID 0 ( )RAID 1 ( )RAID 5 ( )RAID 10		( )Write Through ( )Write Back
LD :	Array :	( )RAID 0 ( )RAID 1 ( )RAID 5 ( )RAID 10		( )Write Through ( )Write Back

When two or more array controllers are installed, copy this sheet for each array controller.

*1: Fill in the logical drive number. The logical drive number is allocated in order defining it like 0, 1, 2, ….

*2: Fill in the physical pack number defined in "■Physical pack definitions". When two or more physical packs are used for RAID 10, fill in the range of physical pack number like "0 - 2".

E.3 For Integrated Mirroring SAS

■ Content of Definition of the Logical Drive

Installation HDD Slot / Bay	HDD model name	HDD capacity	Logical drive capacity
(e.g.) 0	PG-HDB75A	73.4GB	34464MB
(e.g.) 1	PG-HDB75A	73.4GB	34464MB
0			
1			

F Design Sheet

When setting up the server using ServerStart, select the setting values and put a check mark in parentheses below in advance to ensure setup is performed smoothly.

F.1 RAID/Disk Wizard

Parameters			Setting
			( ) Logical Drive View ( ) Mass Storage Controller View (The RAID configuration can be specified)
Controller			( ) RAID ( ) SCSI ( ) Fibrechannel ( ) IDE
When you select "RAID" with controller's type			
Configure RAID			( ) Automatically ( ) Manually
Existing RAID Array			( ) Delete Existing RAID Array
Controller Vendor			
Controller Number			
Configure RAID: Manually		RAID Level	
		Number of Disks	
HotSpare			( ) Yes ( ) No
Disk ↓Make copies when installing multiple disks.			
	Partition ↓Make copies when more sheets are needed.		
	Volume label		
	File system		( ) NTFS ( ) FAT
	Partition size		( ) Auto setting ( ) MB
	Quick format		( ) Execute ( ) Do not execute
	Partition Usage		( ) Boot ( ) OS ( ) Data

F.2 OS Wizard (Windows 2003 Install Wizard)

Parameters	Setting
Install Windows 2003	
Regional settings (with keyboard layout)	( ) Use the default regional settings for the Windows-Version you are installing ( ) Select here ( )
Password for Administrator account	
Computer Identification	
Operating System Type	**When selecting Windows Server 2003/R2 to install** ( ) Windows Server 2003 R2, Standard Edition ( ) Windows Server 2003, Standard Edition ( ) Windows Server 2003, Standard Edition including SP1 ( ) Windows Server 2003, Enterprise Edition ( ) Windows Server 2003, Enterprise Edition including SP1 ( ) Windows Server 2003 R2, Enterprise Edition **When selecting Windows Server 2003 x64/R2 to install** ( ) Windows Server 2003 R2, Standard x64 Edition ( ) Windows Server 2003, Standard x64 Edition ( ) Windows Server 2003, Enterprise x64 Edition ( ) Windows Server 2003 R2, Enterprise x64 Edition
License Mode	( ) per Seat ( ) per Server
User permitted	(Only when concurrent users are selected)
will participate in	( ) a work group ( ) a domain
Workgroup or Domain Name	(Default - MYUSERGROUP)
User account to create computer account (only when Domain is selected)	
User account	
Password	
Installation method	( ) Operating system source media in Available in local CD-ROM drive ( ) Operating system source media in Available on a remote share
when installing OS from remote share	
Remote Source Path	
Remote Username	
Remote Password	
To install Windows Server 2003 R2 Components	( ) Install Windows Server 2003 R2 Components
Installation method	( ) R2 Components source media is available in local CD-ROM drive ( ) R2 Components source media is available on a remote share
When you install it from a remote share	
Remote Source	
Remote Username	
Remote Password	

(continued)

Parameters			Setting
Installation Directory and Time zone			
Time Zone			(Default -(GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna)
Installation Drive			( ) Use default ( ) Drive Letter
When selecting drive name			( ) C: ( ) D: ( ) E: ( ) F: ( ) G: ( ) H: ( ) I: ( ) J: ( ) K: ( ) L: ( ) M: ( ) N: ( ) O: ( ) P: ( ) Q: ( ) R: ( ) S: ( ) T: ( ) U: ( ) V: ( ) W: ( ) X: ( ) Y: ( ) Z:
Installation Directory			( ) Use default ( ) Specify in advance
	Installation destination		(Default - \winnt)
User Name			
User Name			
Organization			
Computer Name			
Product-ID			( ) - - - -
Display settings			
Resolution			( ) 640 * 480 ( ) 800 * 600 ( ) 1024 * 768 ( ) 1156 * 864 ( ) 1280 * 1024 ( ) 1600 * 1200
Vrefresh			( ) 60 ( ) 70 ( ) 72 ( ) 75 ( ) 80 ( ) 85 ( ) 100
BitsPerPel			( ) 16 colors ( ) 256 colors ( ) High Color (16bits) ( ) True Color (24bits) ( ) True Color (32bits)
Network protocol			
Installation method			( ) Install Unattended ( ) Install Manually
Network protocol property (for auto-installation)			
Adapter 1	Connection name		
	Available Protocols		( ) TCP/IP ( ) NWIPX ( ) NetBEUI ( ) Apple Talk ( ) DLC ( ) NetMon ( ) PPTP
	Use of DHCP (When TCP/IP selected)		( ) Use DHCP
	Do not use DHCP	IP-Address	
		Subnet Mask	
		Default Gateway	
		IP address (additional)	(only when added)
		Subnet mask (additional)	(only when added)
		Default gateway (additional)	(only when added)
		DNS domain name	(only when specified)
		DNS server address	(only when specified)
		Use WINS	( ) Use
		WINS server address	DHCP (only when selected to use)
	NetBIOS Option		( ) Use NetBIOS setting from the DHCP Server ( ) Use NetBIOS over TCP/IP ( ) Do not use NetBIOS over TCP/IP
	Only when NWIPX is selected		
		Internal network number	0x
		Network number	0x
		Frame type	

Copy this sheet to install multiple adapters.

(continued)

Parameters			Setting
(Continuation of Network protocol)			
Adapter 2	Connection name		
	Protocol binding to this adapter		( ) TCP/IP ( ) NWIPX ( ) NetBEUI ( ) Apple Talk ( ) DLC ( ) NetMon ( ) PPTP
	Use of DHCP (When TCP/IP selected)		( ) Use DHCP
	Do not use DHCP	IP Address	
		Subnet Mask	
		Default Gateway	
		IP address (additional)	(only when added)
		Subnet mask (additional)	(only when added)
		Default gateway (additional)	(only when added)
		DNS domain name	(only when specified)
		DNS server address	(only when specified)
		Use WINS	( ) Use
		WINS server address	DHCP(only when selected to use)
	NetBIOS Option		( ) Use NetBIOS setting from the DHCP Server ( ) Use NetBIOS over TCP/IP ( ) Do not use NetBIOS over TCP/IP
	Only when NWIPX is selected		
		Internal network number	0x
		Network number	0x
		Frame type	

Copy this sheet to install multiple adapters.

(continued)

Parameters	Setting
Software Components	
Select installation method	( ) Install default Components ( ) Install customized Components
R2	( ) R2 Components
Only when selecting R2 components to install	
Active Directory	( ) Application Mode(ADAM) ( ) Claims-Aware Applications ( ) Traditional Applications ( ) Federation Service ( ) Federation Service Proxy
Distributed File System	( ) DFS Management ( ) DFS Replication Service
File Server	( ) Management Console
Microsoft Services for NFS	( ) User Name Mapping ( ) Microsoft Services for NFS Administration ( ) Client for NFS ( ) Server for NFS ( ) RPC Portmapper ( ) RPC External Data Representation ( ) Server For NFS Authentication
Unix Identity Management	( ) Administration Components ( ) Password Synchronisation ( ) Server For NIS
Windows SharePoint Services	Enable Windows Sharepoint Services
Additional Components	( ) Common Log File System ( ) Microsoft .NET Framework2.0(English) ( ) Microsoft .NET Framework2.0(International) ( ) Microsoft .NET Framework2.0 Languagepack ( ) Print Management Console ( ) Storage Manager SAN ( ) Storage Ressource Manager ( ) Windows Subsystem for UNIX based Applications
Uninstall Componennts	( ) uninstall hidden CFSCommonUIFX ( ) uninstall hidden DFSExt ( ) uninstall hidden DFSRHelper ( ) uninstall set of files from FileServerManagement Console

(continued)

Parameters	Setting
(Continuation of Software Components)	
Only when selecting component to install	
Application and utilities	
Accessories	( ) clipboard viewer ( ) Desktop Wallpaper ( ) Document Template ( ) Paint ( ) All available mousepointers ( ) Word pad ( ) Calculator ( ) Character Map
Accessibility Wizard	( ) Install
Communications	( ) Chat ( ) Hyper Terminal
Application server	
ASP.NET web development platform	( ) Install
Application server console	( ) Install
Internet information services (IIS)	( ) FrontPage 2002 Server Extensions ( ) FTP (File Transfer Protocol) service ( ) NNTP Service - NNTP Service ( ) SMTP Service - SMTP Service ( ) World Wide Web Server - Internet Information Services ASP support ( ) World Wide Web Server - Internet Information Services web DAV publishing ( ) World Wide Web Server - World Wide Web (WWW) Service ( ) World Wide Web Server - Internet Information Services internet data connector ( ) World Wide Web Server - Internet Information Services web user interface
network COM + access	( ) Install
DTC network access	( ) Install
Indexing Server Files	( ) Install
Terminal Services	( ) Install
Terminal Services licensing	( ) Install
Remote install Services	( ) Install
Certificate Service	( ) Install ( ) Server components of the Certificate Services ( ) Web client component of the Certificate Services
POP3 root component	( ) Install ( ) POP3 main service ( ) POP3 web user interface

(continued)

Parameters	Setting
FTP service property (Only when FTP service is selected)	
FTP site directory	(Default - \Inetpub\Ftproot)
WWW service property (Only when WWW service is selected)	
WWW server directory	(Default - \Inetsrv\WWWroot)
Terminal server property (Only when terminal server is selected)	
Terminal service	( ) Permit remote desktop during unattended setup
Authorize the following access permits to terminal service users	( ) Access permit compatible with Windows 2000 Users ( ) Access permit compatible with Terminal Server 4.0 Users
License mode	( ) Number of simultaneous users ( ) Number of connected sessions
Current mode for terminal service	( ) Application server mode ( ) Remote management mode
Services	
Other network File and Print Services	( ) Services for Macintosh (SFM) ( ) Print Service for Macintosh ( ) Print Service for UNIX
Networking Services	( ) WINS Server ( ) Internet Authentication Service (IAS) ( ) MS DNS Server ( ) Simple TCP/IP Service ( ) MS DHCP Serve
Management and Monitoring Tools	( ) Network Monitor tools ( ) SNMP Service (Required to install SNMP-ServerView)
SNMP details (Only when SNMP is selected)	
Trap	
Community name	
Trap destination	
Security	
Send authentication trap	( ) Send
Receivable community name	
Receive SNMP packet from all hosts	( ) Receive
Host name	(only when specified)
Agent	
Contact	
Address	
Service	( ) Physical ( ) Datalink and sub network ( ) End-to-End ( ) Application ( ) Internet

(continued)

Parameters		Setting
Active Directory details setting (only when DNS is selected)		
Install Active Directory		( ) Install
	Active Directory type	( ) Create a domain in a new forest ( ) Additional domain controller of the existing domain ( ) Create a new child domain under the existing domain tree ( ) Create a new domain tree in the existing forest
	Database folder	
	Log folder	
	SYSVOL folder location	
	Compatibility with Windows 2000 or earlier	( ) Permit
Create a domain in a new forest (only when selected)		
	Complete DNS name of the new domain	
	Domain NetBIOS name	
Additional domain controller of the existing domain (only when selected)		
	User name	
	Password	
	Domain	
	Complete DNS name of the existing domain	
Create a new child domain under the existing domain tree (only when selected)		
	User name	
	Password	
	Domain	
	Complete DNS name of the parent domain	
	New child domain name	
	Domain NetBIOS name	
Create a new domain tree in the existing forest (only when selected)		
	User name	
	Password	
	Domain name	
	Complete DNS name of the new domain	
	Domain NetBIOS name	

F.3 OS Wizard (Windows 2000 Install Wizard)

Parameters	Setting
Install Windows 2000	
Regional settings (with keyboard layout)	( ) Use the default regional settings for the Windows-Version you are installing ( ) Select here ( )
Password for Administrator	
Computer identification	
Operating System Type	( ) Windows 2000 Server ( ) Windows 2000 Server including SP4 ( ) Windows 2000 Advanced Server ( ) Windows 2000 Advanced Server including SP4
License mode	( ) per Seat ( ) per Server
User Permitted	(Only when concurrent users are selected)
Participation	( ) a work group ( ) a domain
Work group or domain name	(Default - MYUSERGROUP)
User account to create computer account (only when Domain is selected)	
User account	
Password	
Installation method	( ) Operating system source media in Available in local CD-ROM drive ( ) Operating system source media in Available on a remote share
when installing OS from remote share	
Remote source	
Remote Username	
Reote Password	
Time zone and installation drive	
Select time zone	(Default -(GMT+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna)
Installation drive	( ) Use default ( ) Drive name
When selecting drive name	( ) C: ( ) D: ( ) E: ( ) F: ( ) G: ( ) H: ( ) I: ( ) J: ( ) K: ( ) L: ( ) M: ( ) N: ( ) O: ( ) P: ( ) Q: ( ) R: ( ) S: ( ) T: ( ) U: ( ) V: ( ) W: ( ) X: ( ) Y: ( ) Z:
Installation directory	( ) Use default ( ) Specify during installation ( ) Specify in advance
Installation destination	(Default - \winnt)
User information	
Name	
Company name	
Computer name	
Product-ID	( ) - - - -
Display setting	
Resolution	( ) 640 * 480 ( ) 800 * 600 ( ) 1024 * 768 ( ) 1156 * 864 ( ) 1280 * 1024 ( ) 1600 * 1200
Vrefresh	( ) 60 ( ) 70 ( ) 72 ( ) 75 ( ) 80 ( ) 85 ( ) 100
BitsPerPel	( ) 16 colors ( ) 256 colors ( ) High Color (16bits) ( ) True Color (24bits) ( ) True Color (32bits)

(continued)

Parameters			Setting
Network protocol			
Installation method			( ) Auto-installation ( ) Install driver only
Network protocol property (when auto-installation is selected)			
Adapter 1	Connection name		
	Protocol binding to this adapter		( ) TCP/IP ( ) NWIPX ( ) NetBEUI ( ) Apple Talk ( ) DLC ( ) NetMon ( ) PPTP
	Use of DHCP (When TCP/IP selected)		( ) Use
	Do not use DHCP	IP-Address	
		Subnet Mask	
		Default Gateway	
		IP address (additional)	(only when added)
		Subnet mask (additional)	(only when added)
		Default gateway (additional)	(only when added)
		DNS domain name	(only when specified)
		DNS server address	(only when specified)
		Use WINS	( ) Use
		WINS server address	(only when selected to use WINS)
	NetBIOS Option		( ) Use NetBIOS setting from the DHCP Server ( ) Enable NetBIOS over TCP/IP ( ) Disable NetBIOS over TCP/IP
	Only when NWIPX is selected		
		Internal network number	0x
		Network number	0x
		Frame type	( ) Ethernet Ⅱ ( ) Ethernet 802.2 ( ) Ethernet 802.3 ( ) Ethernet SNAP ( ) Auto-detection

Copy this sheet to install multiple adapters.

(continued)

Parameters			Setting
(Continuation of Network protocol)			
Adapter 2	Connection name		
	Protocol binding to this adapter		( ) TCP/IP ( ) NWIPX ( ) NetBEUI ( ) Apple Talk ( ) DLC ( ) NetMon ( ) PPTP
	Use of DHCP (When TCP/IP selected)		( ) Use
	Do not use DHCP	IP Address	
		Subnet Mask	
		Default Gateway	
		IP address (additional)	(only when added)
		Subnet mask (additional)	(only when added)
		Default gateway (additional)	(only when added)
		DNS domain name	(only when specified)
		DNS server address	(only when specified)
		Use WINS	( ) Use
		WINS server address	(only when selected to use WINS)
	NetBIOS Option		( ) Use NetBIOS setting from the DHCP Server ( ) Enable NetBIOS over TCP/IP ( ) Disable NetBIOS over TCP/IP
	Only when NWIPX is selected		
		Internal network number	0x
		Network number	0x
		Frame type	( ) Ethernet Ⅱ ( ) Ethernet 802.2 ( ) Ethernet 802.3 ( ) Ethernet SNAP ( ) Auto-detection

Copy this sheet to install multiple adapters.

(continued)

Parameters	Setting
Software Components	
Select installation method	( ) Select component to install
Only when selecting component to install	
Service	( ) (IIS) common component ( ) (IIS) online help ( ) FTP (File Transfer Protocol) server ( ) Internet service manager (HTML) ( ) Internet information service snap-in ( ) NNTP Service ( ) SMTP Service ( ) WWW (World Wide Web) server ( ) Remote install service ( ) Remote storage ( ) Terminal service ( ) Terminal service license
FTP site directory	(Default - \Inetpub\Ftproot)
WWW Server directory	(Default - \Inetsrv\WWWroot)
Communication	Setting
Multimedia	( ) CD player ( ) Media player ( ) Utopia sound setting ( ) Sound recorder ( ) Volume control ( ) Sample sound
Accessory	( ) Accessibility setting wizard ( ) Character code table ( ) Calculator ( ) Paint ( ) Word pad ( ) Document templates ( ) Script debugger ( ) Object packager ( ) Desktop wallpaper
Game	( ) Free cell ( ) Mine sweeper ( ) Pinball ( ) Solitaire
Service	
Service	( ) Simple Network Management Protocol (SNMP) ( ) Domain Name System (DNS) ( ) Dynamic Host Configuration Protocol (DHCP) ( ) Windows Internet Name Service (WINS) ( ) Simple TCP/IP service ( ) Network monitor tool ( ) Internet authentication service ( ) Site Server ILS service ( ) Print service for UNIX ( ) Print service for Macintosh ( ) Connection manager component ( ) File service for Macintosh

(continued)

Parameters		Setting
SNMP details (only when SNMP is selected)		
Trap		
	Community name	
	Trap destination	
Security		
	Send authentication trap	( ) Send
	Receivable community name	
	Receive SNMP packet from all hosts	( ) Receive
	Host name	(only when specified)
Agent		
	Contact	
	Address	
	Service	( ) Physical ( ) Datalink and sub network ( ) End-to-End ( ) Application ( ) Internet

(continued)

Parameters		Setting
Active Directory details setting (only when DNS is selected)		
Install Active Directory		( ) Install
	Active Directory type	( ) Create a new forest of a domain tree ( ) Add additional domain controller of the existing domain ( ) Add a new child domain under the existing domain tree ( ) Place a new domain tree in the existing forest
	Database location	
	Log location	
	SYSVOL folder location	
	Access permit compatibility with Windows 2000 or earlier server	( ) Permit
Create a new forest of a domain tree (only when selected)		
	Complete DNS name of the new tree	
	Domain NetBIOS name	
Add additional domain controller of the existing domain (only when selected)		
	User name	
	Password	
	Domain	
	Complete DNS name of the domain	
Add a new child domain under the existing domain tree (only when selected)		
	User name	
	Password	
	Domain	
	Parent domain name	
	Child domain name	
	Domain NetBIOS name	
Place a new domain tree in the existing forest (only when selected)		
	User name	
	Password	
	Domain name	
	Complete DNS name of the new tree	
	Domain NetBIOS name	

F.4 Application Wizard

Parameters	Setting
Installable applications	( ) Windows 2000 service pack4 ( ) Windows Server 2003 service pack1 ( ) ServerView ( ) DSNAP ( ) RAID Management Tool
Userspecific Command	(only when selecting additional software)
Userspecific Command	( ) Install selected application from Local CD ( ) Install selected application from Remote Server
When installing from remote server	( ) Install ( ) Do not install
Remote Source Path	
Remote Username	
Remote Password	

G Accident Sheet

Name (Product ID)	☐ PRIMERGY TX200 S3 (PG)
OS	
Environment	
LAN/WAN config.	
DATE/TIME	
Phase of accident	What did you do?, what message? etc.
	Attached paper: Yes / No

PRIMERGY TX200 S3

Configuration Sheets
B7FH-4441-01ENZ0-01

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